Plot of Original Test Record File

Tangent Construction to Truncate Data Set

Residuals for Final Fit Test Record

Fit for Un-Normalized Test Record with Fit Range

Results of All Quality Metrics			
Data Quality Metrics	**Value**	**Metric**	**Pass/Fail**
Digital Resolution			
Relative x-resolution	1.000	(≤ 1)	Pass
% at this resolution	14.6		
% in zeroth bin	6.4		
Relative y-resolution	5.667	(≤ 1)	**Fail**
% at this resolution	6.4		
% in zeroth bin	2.3		
Noise			
Relative x-noise	0.340	(≤ 1)	Pass
Relative y-noise	0.482	(≤ 1)	Pass
Fit Quality Metrics			
Curvature			
1st Quartile relative residual slope	-0.144	(-1 ≤ and ≤ 1)	Pass
Number of points in 1st quartile	47	(>5)	Pass
4th Quartile relative residual slope	-0.483	(-1 ≤ and ≤ 1)	Pass
Number of points in 4th quartile	29	(>5)	Pass
Fit Range			
Relative Fit Range	0.809	(≤ 1)	Pass
Slope Determination Results			
Final Slope	1.208e+02	Data file: SDARrr-2.csv	
True Intercept	1.812e+00	Standard: ASTM E3076-18e1	
Lower y bound of fit range	1.698e+01	Script: pySDAR v1.2.4	
Upper y bound of fit range	4.331e+01	Analysis time: 2024-05-28 21:53:51	